

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	14	((("4529964") or ("5073710") or ("5499098") or ("6342697") or ("5456021") or ("4385836") or ("4403859") or ("4606642") or ("4628201") or ("5604345") or ("6031224") or ("6759647") or ("4477189")).PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/02/17 11:04
L2	5	L1 and (align\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/17 08:39
L3	13	L1 and (position)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/17 08:39
L6	2	L1 and (random)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/17 09:57
L7	3	L1 and (random or m-se\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/17 11:05
L9	15	((("4529964") or ("5073710") or ("5499098") or ("6342697") or ("5456021") or ("4385836") or ("4403859") or ("4606642") or ("4628201") or ("5604345") or ("6031224") or ("6759647") or ("4477189") or ("5117105")).PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/02/17 12:42
L10	4	9 and (random or m-se\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/17 11:06
L11	1	9 and (detect\$3 with different\$3 near signal)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/17 11:17
L12	7	9 and (detect\$3 with differen\$4 )	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/17 11:26
L14	10	9 and (reflect\$3 optical )	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/17 11:26

## EAST Search History

L15	695	((33/707) or (356/616-619)).CCLS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/02/17 11:47
L16	356	L15 and (reflect\$3 type near encoder)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/17 11:48
L17	7	L15 and (reflect\$4type adj encoder)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/17 11:49
S1	1	("20030155491").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/02/15 11:18
S2	1	("6759647").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/02/15 11:43
S3	695	((33/707) or (356/616-619)).CCLS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/02/16 09:34
S4	53	S3 and ((encoder) with (transmissive or non\$1transmissive grating))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/17 11:47
S5	464	S3 and (mov\$3 grating same (encoder) with (transmissive or non\$1transmissive))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/15 16:00
S6	42	S4 and S5	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/15 15:58
S8	1	("20030155491").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/02/15 15:58
S9	695	((33/707) or (356/616-619)).CCLS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/02/15 16:01
S10	1	S9 and (m\$1series near arrangement with (pattern))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/15 16:01

## EAST Search History

S11	695	((33/707) or (356/616-619)).CCLS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/02/16 09:14
S12	43	S11 and (position near detect\$3 with (mechanism or referenc\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/16 14:25
S13	488	(356/616-619).CCLS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/02/16 09:48
S14	108	S13 and (origin\$2 position near detect\$3 with (mechanism or referenc\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/16 09:47
S15	38	S13 and (position near detect\$3 with (mechanism or referenc\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/16 09:47
S17	14	((("4529964") or ("5073710") or ("5499098") or ("6342697") or ("5456021") or ("4385836") or ("4403859") or ("4606642") or ("4628201") or ("5604345") or ("6031224") or ("6759647") or ("4477189"))).PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/02/16 14:24
S18	5	S17 and (position near detect\$3 with (mechanism or referenc\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/17 09:54
S19	5	S17 and (reflect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/16 14:36
S20	3	S17 and (grid\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/16 15:30
S21	5	S17 and (grat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/17 08:28